

are obtained, as in *S. Websteri*. Miss Benett enumerates upwards of twenty species from South Wiltshire.

The Kentish rag contains large ramose spongy bodies, which I have no doubt are *Siphoniæ*; and Mr. Bensted has discovered in his quarry, numerous specimens of a polymorphous lobed zoophyte, with a porous structure and spicula, denoting its spongy character. In the firestone of Southbourne, Steyning, and Bignor in Sussex, I have observed large pyriform and cylindrical *Siphoniæ*. The organization of these zoophytes was clearly adapted for the free circulation of sea-water, in a more perfect and definite manner, than in the irregular porous tissue, of the simple sponges.

The flint pebbles on the Sussex coast abound in remains of *Siphoniæ*, especially those near Brighton, which have been washed out of the chalk cliffs; for the cretaceous strata are peculiarly rich in these remains, in some localities near that town. There were several chalk-pits in Edward-street, (now, I believe, filled up and the area built upon,) every flint in which enclosed a Sponge or *Siphonia*; and many specimens were mineralized by pyrites, and most beautifully exhibited the structure of the originals. I have figured a polished slice of a pebble from Brighton (*Lign.* 54, fig. 3.), whose markings are derived from the transverse section of an enclosed *Siphonia*, apparently of an undescribed species: scarcely more than half the area is pre-